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**FACSIMILE COVER SHEET**

DATE: JULY 3, 2007

NUMBER OF PAGES (INCLUDING  
THIS TRANSMITTAL COVER SHEET): 15

OUR REFERENCE: 213045 (530-07)

FROM: BRUCE M. GAGALA/MG  
REGISTRATION NO. 28,844

DIRECT LINE: (312) 616-5675

TO: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

FACSIMILE NUMBER: 571/273-8300

IN RE APPLN. OF: BOYD  
APPLICATION NO. 09/914,708  
FILED: DECEMBER 20, 2001  
FOR: VACUOLAR-TYPE (H<sup>+</sup>)- ATPASE-INHIBITING COMPOUNDS,  
COMPOSITIONS, AND USES THEREOF  
GROUP ART UNIT: 1617  
EXAMINER: SHENGJUN WANG  
ATTORNEY DOCKET: 213045

**ATTACHED PLEASE FIND THE FOLLOWING DOCUMENTS:**

- FORM PTO-1083 IN DUPLICATE (2 PGS.);
- REPLY TO OFFICE ACTION W/ CERTIFICATE OF TRANSMISSION (12 PGS.);
- FAX COVER SHEET.

A confirmation copy of the transmitted document will:

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FaxPTO (2/9/2001)

FORM PTO-1083

PATENT

Attorney Docket No. 213045

Client Reference No. E-244-1997/3-US-06

Date: July 3, 2007

In re Application of: Boyd

Application No. 09/914,708

Filed: December 20, 2001

For: Vacuolar-Type (H<sup>+</sup>)-ATPase Inhibiting Compounds, Compositions, and Uses Thereof

Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

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JUL 03 2007

Sir:

Transmitted herewith is a reply to office action in the subject application.

- ☐ Small entity status is claimed for this application under 37 CFR 1.27.
- ☒ Petition for an extension of time for the period noted below, as well as for any additional period necessary to render the present submission timely. Please charge Deposit Account No. 12-1216 for the appropriate petition fee.
- ☐ Other:
- ☒ Please charge Deposit Account No. 12-1216 in the total amount indicated below. A duplicate copy of this transmittal sheet is enclosed herewith.

					SMALL ENTITY		OTHER THAN A SMALL ENTITY	
TIME EXTENSION PETITION FEE			none		\$ 0.00		\$ 0.00	
subtract time extension fee previously paid			none		(\$ 0.00)		(\$ 0.00)	
CLAIM FEE	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	EXTRA CLAIMS PRESENT	RATE	ADD'L CLAIM FEE	RATE	ADD'L CLAIM FEE
TOTAL	11	MINUS	31	= 0	x 25 =	\$	x 50 =	\$0.00
INDEPENDENT	2	MINUS	3	= 0	x 100 =	\$	x 200 =	\$0.00
<input type="checkbox"/>	FIRST PRESENTATION OF MULTIPLE CLAIM				+ 180 =	\$	+ 360 =	\$
TOTAL AMOUNT TO BE CHARGED TO DEPOSIT ACCOUNT					TOTAL	\$	TOTAL	\$0.00

- ☒ The Commissioner is hereby authorized to charge any deficiencies in the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-1216.
- ☒ Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- ☒ Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,  
LEYDIG, VOIT & MAYER, LTD.By   
Bruce M. Gagala, Reg. No. 28, 844

Leydig, Voit & Mayer, Ltd.  
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FORM PTO-1083

PATENT

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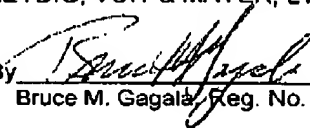
Sir:

Transmitted herewith is a reply to office action in the subject application.

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subtract time extension fee previously paid			none		(\$ 0.00)		(\$ 0.00)	
CLAIM FEE	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NUMBER PREVIOUSLY PAID FOR	EXTRA CLAIMS PRESENT	RATE	ADD'L CLAIM FEE	RATE	ADD'L CLAIM FEE
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Respectfully submitted,  
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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE JUL 03 2007

Patent Application No. 09/914,708

Applicant: Boyd

Filed: December 20, 2001

TC/AU: 1617

Examiner: Wang, S.

Docket No.: 213045 (DHHS Reference No. E-244-1997/3-US-06)

Customer No.: 45733

Mailbox Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## REPLY TO OFFICE ACTION

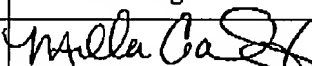
Sir:

In reply to the Office Action dated April 3, 2007, please enter the following amendments and consider the following remarks.

Amendments to the Title are on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims which begins on page 3 of this paper.

Remarks/Arguments begin on page 10 of this paper.

TRANSMISSION CERTIFICATE UNDER 37 CFR 1.8 OR 1.10			
I hereby certify that this document and all accompanying documents are, on the date indicated below, being transmitted via <input checked="" type="checkbox"/> facsimile to the U.S. Patent and Trademark Office at fax number: (571) 273-8300.			
Name (Print/Type)	Mirella Gallegos		
Signature		Date	July 3, 2007

Application No. 09/914,708

Reply to Office Action

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JUL 03 2007

*AMENDMENTS TO THE TITLE*

Replace the title with:

METHOD OF TREATING OSTEOPOROSIS COMPRISING VACUOLAR-TYPE  
(H<sup>+</sup>)-ATPASE-INHIBITING COMPOUNDS, COMPOSITIONS, AND USES THEREOF